

1-923 U.S. PTO  
12/9/02

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PTO/SB/05 (11-00)  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new non provisional applications under 37 CFR 1.53(b))

Attorney Docket No. N.C. 83.180

First Inventor NICHOLS

Title AUTOMATIC GAIN CONTROL FOR DIGITIZED RF SIGNAL

Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 10]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the invention
  - Brief Summary of the invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]

5. Oath or Declaration [Total Pages 1]

- a. ☒ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
- b. ☐ **DECLARATION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b)

6. ☐ Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

Prior application information

Examiner

of prior application No. 1- - - - -

For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion of the disclosure of the prior application is omitted from the submitted application parts.

## 19. MAILING ADDRESS

☒ Customer Number or Bar Code Label

(Insert Customer Number or Bar code label here)

or ☐ Correspondence address below

Name Naval Research Laboratory, Code 1008.2

4555 Overlook Ave., S.W.

Address Code 1008.2

City Washington

State DC

Zip Code 20375-5320

Country US

Telephone 202-404-1532

Fax 202-404-7380

Name (Print/Type) John J. Karasek

Registration No. (Attorney/Agent) 36,182

Signature

Date

2/5/92

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

20/61/20

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$) 914

## Complete If Known

Application Number NOT YET ASSIGNED  
Filing Date  
First Named Inventor NICHOLS  
Examiner Name NOT YET ASSIGNED  
Group Art Unit NOT YET ASSIGNED  
Attorney Docket No. 83,180

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 50-0281  
Deposit Account Name Naval Research Laboratory

- ☒ Charge Any Additional Fee Requested Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity  
Fee Fee Fee Fee Description  
Code (\$) Code (\$) Code (\$) Code (\$)  
101 740 201 370 Utility filing fee  
106 330 206 165 Design filing fee  
107 510 207 255 Plant filing fee  
108 740 208 370 Reissue filing fee  
114 160 214 80 Provisional filing fee

Fee Paid

740

SUBTOTAL (1) (\$) 740

### 2. EXTRA CLAIM FEES

Total Claims 25  
Independent Claims 4  
Multiple Dependent  
Extr. Claims -20- = 5 x 15 = 75  
-3- = 1 x 84 = 84  
Fee from below  
Fee Paid 159

Large Entity Small Entity

Fee Fee Fee Fee Description

Code (\$) Code (\$) Code (\$) Code (\$)

103 18 203 9 Claims in excess of 20

102 84 202 42 Independent claims in excess of 3

104 280 204 140 Multiple dependent claim, if not paid

109 84 209 42 " Reissue independent claims over original patent

110 18 210 9 Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 174

\*\*or number previously paid, if greater. For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Code (\$)	Code (\$)		
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for ex parte reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	
117 920	217 460	Extension for reply within third month	
118 1,440	218 720	Extension for reply within fourth month	
128 1,960	228 980	Extension for reply within fifth month	
119 320	219 160	Notice of Appeal	
120 320	220 160	Filing a brief in support of an appeal	
121 280	221 140	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,280	241 640	Petition to revive - unintentional	
142 1,280	242 640	Utility issue fee (or reissue)	
143 460	243 230	Design issue fee	
144 620	244 310	Plant issue fee	
122 130	122 130	Patitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(c)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(e))	
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
179 740	279 370	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	
Other fee (specify) _____			

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0

## SUBMITTED BY

Name (Print/Type) John J. Karasek

Registration No. (Attorney/Agent)

36,182

Complete (if applicable)

Telephone 202-404-1552

Signature

Date

2/5/02

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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10077730-021902

PATENT APPLICATION  
Navy Case No. 83,180

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION FOR LETTERS PATENT

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN THAT Gregory M. Nichols of Alexandria, VA, who is a citizen of the United States of America, has invented certain new and useful improvements in "AUTOMATIC GAIN CONTROL FOR DIGITIZED RF SIGNAL PROCESSING" of which the following is a specification:

Please Contact Preparer:  
L. George Legg  
Reg. No. 34,208  
Tel: 202-404-1559

10077730.021902